

250/559.4

What is claimed is:

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1. A shape measurement device, comprising:

a stage for loading a subject for measurement; (20)

5 an imaging section that forms an image of the subject for measurement; and (22)

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a shifting section that implements relative shifting between said imaging section and the subject for measurement to shift said imaging section to a position corresponding to a portion on the subject for measurement which is to be measured, wherein (24)

said shifting section implements said relative shifting by shifting said imaging section without shifting said stage.

(11/40-55)
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15 2. A shape measurement device, comprising:

a stage for loading a subject for measurement;

a measurement section that measures a shape of the subject for measurement;

20 a shifting section that implements relative shifting between said imaging section and the subject for measurement to shift said imaging section to a position corresponding to a portion on the subject for measurement which is to be measured; and

a chassis that houses at least a part of said measurement section and said shifting section, wherein:

said chassis is formed, at a region thereof which faces the subject for measurement, with an aperture which does not hinder said shifting of said measurement section;

an end of said measurement section protrudes from said
5 aperture towards the subject for measurement; and
a dustproof member is disposed at said aperture in order to prevent dust within said chassis from leaking out towards the subject for measurement while not hindering said shifting of said measurement section, said dustproof member covering said
10 aperture except for a portion corresponding to said measurement section.

3. A shape measurement device according to Claim 2, further comprising:

15 a negative pressure device that decompresses an interior of said chassis in order to distort said dustproof member and create an air current which enters into said chassis through a gap between said distorted dustproof member and said aperture.

20 4. A shape measurement device, comprising:

a stage for loading a subject for measurement;

a measurement section that measures a shape of the subject for measurement; and

a shifting section that implements relative shifting
25 between said measurement section and the subject for measurement

to shift said measurement section to a position corresponding to a portion on the subject for measurement which is to be measured, wherein

said measurement section comprises an illumination
5 section which illuminates laser light upon the subject for measurement from a slanting direction, a light reception section which receives said laser light which has been reflected from the subject for measurement, and a rotation drive section which rotates said illumination section and said light reception
10 section while preserving a mutual positional relationship of said illumination section and said light reception section, without changing a region upon said subject for measurement which is illuminated by said laser light.

15 5. A shape measurement device according to Claim 4, wherein said measurement section comprises an imaging section for forming an image of the subject for measurement, and detects a distance from the subject for measurement along a direction of an optical axis of said imaging section based upon an output
20 from said light reception section.